

1 ABSTRACT

2  
3 An tie line adapter for use with a first communication system and a second communication  
4 system, the first communication system having a tie line with a first characteristic and the second  
5 communication system having a tie line with a second characteristic. The tie line adapter having  
6 a first controller for controlling the first characteristic, a second controller for controlling the  
7 second characteristic, wherein the first characteristic and the second characteristic are adjusted to  
8 match each other to allow communication between the first communication system and the  
9 second communication system.